

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves relocating the existing opticom eye for Northbound MD 2 - MD 4 at MD 402 / Dares Beach Rd in Calvert County, MD 2 - MD 4 is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA eight-phase, fully-actuated mode, with the MD 2 - MD 4 approaches running concurrently. Exclusive left turn phases for both approaches of MD 2 - MD 4 shall remain in operation. Far-side sampling stations on both legs of MD 2 - MD 4 shall continue to be provided at this intersection. Exclusive/Permissive left turn phases for the MD 402 / Dares Beach Rd shall remain in operation. The MD 402 / Dares Beach Rd approaches shall also continue to run concurrently. Pre-emption shall continue to be provided for the northbound approach of MD 2 - MD 4.

- The existing full-traffic-actuated, eight-phase controller with video interface, opticom discriminator and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Administration shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Signal Shop
410-787-7650

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9000	4 CONDUCTOR OPTICOM CABLE	200 LF

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
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THERE IS NO EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

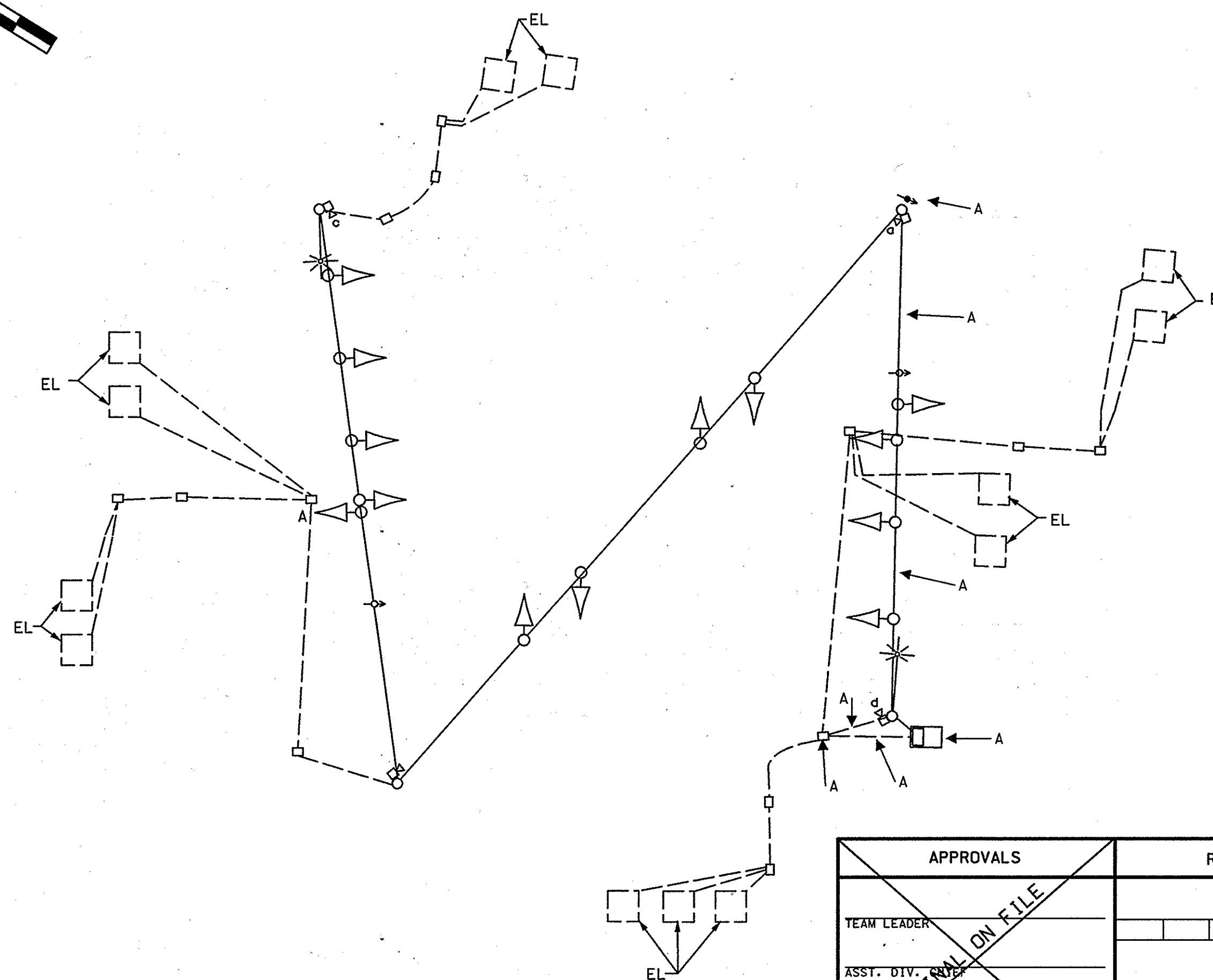
C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 AND 5	+G-	+G-	R	R	R	+G-	+G-	R	R	+G-	R	+G-	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6													
PHASE 1 AND 6	+G-	+G-	G	G	G	+R-	+R-	R	R	R	R	R	R
1 AND 6 CHANGE	+Y-	+Y-	Y	Y	Y	+R-	+R-	R	R	R	R	R	R
PHASE 2 AND 5	+R-	+R-	R	R	R	+G-	+G-	G	G	R	R	R	R
2 AND 5 CHANGE	+R-	+R-	R	R	R	+Y-	+Y-	Y	Y	R	R	R	R
2 AND 6	+R-	+R-	G	G	G	+R-	+R-	G	G	R	R	R	R
2 AND 6 CHANGE	+R-	+R-	Y	Y	Y	+R-	+R-	Y	Y	R	R	R	R
PHASE 3 AND 7	+R-	+R-	R	R	R	+R-	+R-	R	R	+G-	R	+G-	R
3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8													
PHASE 3 AND 8	+R-	+R-	R	R	R	+R-	+R-	R	R	R	R	+G-	G
3 AND 8 CHANGE	+R-	+R-	R	R	R	+R-	+R-	R	R	R	R	+Y-	Y
PHASE 4 AND 7	+R-	+R-	R	R	R	+R-	+R-	R	R	+G-	G	R	R
4 AND 7 CHANGE	+R-	+R-	R	R	R	+R-	+R-	R	R	+Y-	Y	R	R
PHASE 4 AND 8	+R-	+R-	R	R	R	+R-	+R-	R	R	G	G	G	G
4 AND 8 CHANGE	+R-	+R-	R	R	R	+R-	+R-	R	R	Y	Y	Y	Y
FIRE HOUSE PRE-EMPTION	+G-	+G-	G	G	G	+R-	+R-	R	R	R	R	R	R
PRE-EMPTION CHANGE	+Y-	+Y-	Y	Y	Y	+R-	+R-	R	R	R	R	R	R
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY	
A	OPTICOM CABLE (NO. 18 A.W.G.)
EL	LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES	EXISTING SERVICE TO BE MAINTAINED BY SMECO

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 2 - MD 4 AND MD 402

PRINCE FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 4/88 CONTRACT NO. CA472A531B53

DESIGNED BY DCD CGH	COUNTY CALVERT
DRAWN BY MR	LOGMILE 04000220.59
CHECKED BY	TMS NO. 1540
F.A.P. NO.	TOD NO.

TS NO. 333H	DRAWING NO. 2 OF 2	SHEET NO. OF
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PLOTTED: THURSDAY, JULY 12, 2007 AT 18:37:05 AM
FILE: MD 2.4 & 40201.DGN